

DERWENT-ACC-NO: 1988-248726

DERWENT-WEEK: 198835

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TITLE: Method and appts. for removing  
sulphur di:oxide from  
with suspension of waste gases - by spraying gas flow  
spraying in parts pyrolusite, with different density

INVENTOR: GOVOROV, V G

PRIORITY-DATA: 1985SU-3987865 (December 13, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
SU 1375300 A 003	N/A	February 23, 1988 N/A

INT-CL (IPC): B01D053/18

ABSTRACTED-PUB-NO: SU 1375300A

BASIC-ABSTRACT:

The gases are sprayed with an aq. suspension of pyrolusite under conditions of constant ratio of phase load at entrance and exit of contact zone, as well as in its central part. Central part is sprayed with flow of circulating suspension, from which is removed part for spraying inlet section. To remainder of suspension is added a flow formed during washing of gas by fresh suspension at exit from contact zone. Density of spray in

central part is higher than at entrance. USE/ADVANTAGE - In chemical technology for the cleaning of gases to remove SO<sub>2</sub>. Absorption process is intensified as a result of the rational variation of the density of the spray and the freshness of the suspension over the length of the contact zone.

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Basic Abstract Text - ABTX (1):

The gases are sprayed with an aq. suspension of pyrolusite under conditions of constant ratio of phase load at entrance and exit of contact zone, as well as in its central part. Central part is sprayed with flow of circulating suspension, from which is removed part for spraying inlet section. To remainder of suspension is added a flow formed during washing of gas by fresh suspension at exit from contact zone. Density of spray in central part is higher than at entrance. USE/ADVANTAGE - In chemical technology for the cleaning of gases to remove SO<sub>2</sub>. Absorption process is intensified as a result of the rational variation of the density of the spray and the freshness of the suspension over the length of the contact zone.

Title - TIX (1):

Method and appts. for removing sulphur di:oxide from waste gases - by spraying gas flow with suspension of pyrolusite, with different density spraying in parts

Standard Title Terms - TTX (1):

METHOD APPARATUS REMOVE SULPHUR DI OXIDE WASTE GAS SPRAY GAS FLOW

SUSPENSION **PYROLUSITE** DENSITY SPRAY PART